

## DC-8 04/27/18 - 04/28/18

**Aircraft:** [DC-8 - AFRC](#) ([See full schedule](#))

**Flight Number:** 1255

**Payload Configuration:** ATom-4 configuration - AMP, AO2, ARMAS, ATHOS, CANOE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SO2, SOAP, SP2, UCATS, WAS

**Nav Data Collected:** Yes

**Archive Data:** [20180427](#) (83 archive (plain-text) files; 4 binary files)

**Total Flight Time:** 10.3 hours

**Submitted by:** Timothy Moes on 04/27/18

**Flight Segments:**

<b>From:</b>	KPMD	<b>To:</b>	PANC - Anchorage International
<b>Start:</b>	04/27/18 16:03 Z	<b>Finish:</b>	04/28/18 02:23 Z
<b>Flight Time:</b>	10.3 hours		
<b>Log Number:</b>	<a href="#">188004</a>	<b>PI:</b>	Steven Wofsy
<b>Funding Source:</b>	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	ATom-4 science flight RF02. Successfully completed 4 planned vertical profile maneuvers over the Pacific prior to crossing over Alaska. Could not do planned MMS maneuver at 36kft due to ATC rerouting us around restricted areas for Red Flag. Accomplished a successful vertical profile maneuver over the Arctic Ocean as planned. Completed a low approach over Barrow airfield (PABR) followed by 5 minutes of level flight at 1000 ft AGL. Climbed to 39kft to conduct the pitch and yaw MMS maneuvers prior to descent and landing at Anchorage International Airport (PANC). Science instruments and the aircraft all did well.		

**Flight Hour Summary:**

	<b>188004</b>
<b>Flight Hours Approved in SOFRS</b>	122.2
<b>Total Used</b>	133.2
<b>Total Remaining</b>	-11

### 188004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">04/06/18</a>	1249	Check	3.6	3.6	118.6	
<a href="#">04/10/18 - 04/11/18</a>	1251	Check	5	8.6	113.6	
<a href="#">04/13/18 - 04/14/18</a>	1252	Check	7.9	16.5	105.7	
<a href="#">04/24/18 - 04/25/18</a>	1253	Science	9.5	26	96.2	
<a href="#">04/26/18</a>	1254	Check	2.1	28.1	94.1	
<a href="#">04/27/18 - 04/28/18</a>	1255	Science	10.3	38.4	83.8	
<a href="#">04/29/18 - 04/30/18</a>	1256	Science	8.1	46.5	75.7	
<a href="#">05/01/18 - 05/02/18</a>	1257	Science	8.2	54.7	67.5	
<a href="#">05/03/18 - 05/04/18</a>	1258	Science	7.9	62.6	59.6	
<a href="#">05/06/18 - 05/07/18</a>	1259	Science	10.2	72.8	49.4	
<a href="#">05/09/18</a>	1260	Science	10.7	83.5	38.7	
<a href="#">05/12/18</a>	1261	Science	10	93.5	28.7	

<a href="#">05/14/18</a>	1262	Science	9.4	102.9	19.3
<a href="#">05/17/18</a>	1263	Science	9.7	112.6	9.6
<a href="#">05/18/18</a>	1264	Science	3.2	115.8	6.4
<a href="#">05/19/18 - 05/20/18</a>	1265	Science	10.6	126.4	-4.2
<a href="#">05/21/18</a>	1266	Science	6.8	133.2	-11

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

#### Related Science Report:

### ATom - DC-8 04/27/18 Science Report

**Mission:** ATom

**Mission Summary:**

ATom-4 SF#2 Science Report: Flight from Palmdale, CA to Anchorage, AK

**File:**



[ATom4\\_RF02\\_PrathersLog.pdf](#)

**Submitted by:** Erin Czech on 05/05/18

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**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/DC-8\\_04\\_27\\_18\\_-\\_04\\_28\\_18#comment-0](https://airbornescience.nasa.gov/flight_reports/DC-8_04_27_18_-_04_28_18#comment-0)